CLAIMS:

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- 1. A light-collimating system for collimating light from a light source, a plurality of elements, each element including a first wall and a second wall, the first wall and the second wall of each element being spaced with respect to each other,
- the first wall of an element and the second wall of an adjacent element forming a wedge-shaped structure widening in a direction facing away from the light source, the first wall and the second wall at a side facing the wedge-shaped structure being provided with a specular reflecting surface.
- 2. A light-collimating system as claimed in claim 1, characterized in that the first wall and the second wall are straight walls.
 - 3. A light-collimating system as claimed in claim 1, characterized in that the first wall and the second wall are curved, preferably, parabolically-shaped walls.
 - 4. A light-collimating system as claimed in claim 3, characterized in that the first wall and the second wall are parabolically-shaped walls.
- 5. A light-collimating system as claimed in claim 1, 2 or 3, characterized in that
 the first wall and the second wall of each element are provided on a supporting member at a
 side facing away from the light source, and that the supporting member (1) between the first
 wall and the second wall of each element is provided with a light-reflecting element
 comprising a specular and/or diffuse reflecting material.
- A light-collimating system as claimed in claim 1, 2 or 3, characterized in that a space formed between the first wall and the second wall of each element is provided with a specular and/or diffuse reflecting material.

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- 7. A light-collimating system as claimed in claim 6, characterized in that the reflecting material is selected from the group formed by aluminum oxide, barium sulfate, calcium-pyrophosphate, titanium oxide and yttrium borate.
- 5 8. A light-collimating system as claimed in claim 7, characterized in that the reflecting material is mixed with particles of Alon-C.
 - 9. A light-collimating system as claimed in claim 1, 2 or 3, characterized in that the first wall and the second wall are made from glass, metal or plastic.
 - 10. A light-collimating system as claimed in claim 1, 2 or 3, characterized in that, at the location of the first and second wall facing the light source, the distance d_{sp} between the first wall and the second wall of each element is larger than the wavelength of visible light.
 - 11. A light-collimating system as claimed in claim 10, characterized in that the distance $d_{sp} \ge 10 \mu m$.
- 12. A light-collimating system as claimed in claim 11, characterized in that the
 20 distance d_{sp} ≥1 mm.
 - 13. A light-collimating system as claimed in claim 11, characterized in that the height h_w of the wedge-shaped structures is in the range $0.5 \times d_{aw} \le h_w \le 50 \times d_{aw}$, where d_{aw} is the distance between the first wall and the second wall at the location of the first and second wall facing the light source.
 - 14. A light-collimating system as claimed in claim 1, 2 or 3, characterized in that the light-collimating system further comprises a lens assembly, comprising a plurality of lenses, each lens cooperating with one of the wedge-shaped structures.